

贴片计数器使用说明书

SMT/SMD Components Counter Operating Instruction

目录

Catalog

一、产品介绍

Product Introduction

二、注意事项

Matters Need Attention

三、功能键及操作流程说明

Function Keys And Operation Procedures Instructions

四、连接打印机操作说明（选用）

How To Connect The Printer Operation (selective use)

五、简易故障排除

Simple Trouble Shooting

六、售后服务

After-sales Service

七、保修卡

Warranty Card

一、产品介绍

Product Introduction

1、产品原理

Principle of the product

贴片计数器采用光电传感原理，利用零件载带引导孔与零件的对应关系，通过专用处理芯片及大规模集中电路处理，实现零误差，精确测定 SMD 零件计数量，可实现方便快捷的计数，是 SMT 物料管理的高效辅助设备。

The SMD counter adopts the principle of photoelectric sensing, and uses the corresponding relation between the guide hole and the part, through the special-purpose processing chip and the large-scale centralized circuit processing, realizes the zero error, accurately measures the number of SMD parts, can realize the convenient and quick count, is the high efficiency auxiliary equipment of SMT material management.

2、产品特点

Product features

全自动方式计算零件数量，方面点料，发料作业操作简单，独具匠心的防料带脱落设计将对料带的伤害减少至最小，正方向皆可计数，可预设数量，精确计算数量，零误差。可加装扫描枪及条码打印机，方便管理作业。

Completely automatic way computation components quantity, facilitates a material, sends the material work simplicity of operator, has a special inventive mind against material belt will fall off the design to reduce to the material belt's injury to the smallest, forward and reverse all may count, but preinstall quantity, will calculate quantity precisely, zero error. May install the scanning gun and the bar code printer, facilitates the management work.

3、产品规格

Product specifications

电源：AC220V，50/60 HZ，25W

计数范围：-99999—99999PCS

外型尺寸：L470*W300*H180mm

重量：10KG

Power supply: AC220V, 50/60 HZ, 25W

Counting range: -99999- 99999PCS

Outlook size: L470*W300*H180mm

Weight:10 kg

4、产品应用

Product application

SMD 料带式零件皆可适用

料带轮直径：任何尺寸皆可适用

料带间隔（PITCH）：1, 2, 4, 8, 10, 12, 16, 24, 32, 44, 56mm（注意：间隔更小或者更宽可根据需求研发定做）

料带宽度（WIDTH）：4, 6, 8, 12, 16, 24, 32, 44, 56mm（注意：间隔更小或者更宽可根据需求研发定做）

The SMD material belt type components are all suitable

Diameter of belt wheel: Any size is all suitable

PITCH: 1, 2, 4, 8, 10, 12, 16, 24, 32, 44, 56 mm

WIDTH: 4, 6, 8, 12, 16, 24, 32, 44, 56mm (note: smaller or wider distance can be developed or customized according to demand)

5、产品构造

Product construction

本产品分两种型号：

Two kind of models



1. 上料反射镜 Charging mirror

2. 托盘 Tray

3. 齿轮/活动压料片 Gear/Movable blanks

4. 松紧扳手 Wrench

5. 火箭头 Rocket head

6. 活动臂 Movable arm

7. 定位旋钮 Positioning knob

8. 显示屏 Display

9. 按键 keys

10. 电源开关 Power switch

11. 提手 Handle

12. 光纤放大器 Fiber optic amplifier

13. 光纤对射头 Optical fiber butt

二、贴片计数器注意事项：

Matters need attention

1、拆开包装后，请先清点各项附件是否齐全。

After unpacking, please check if all the attachments are complete.

2、使用贴片计数器前请仔细阅读操作说明书，并妥善保管。

Please read the operation manual carefully before using and keep it properly.

3、检查电压规格是否与市电之电压规格相符。

Check whether the voltage specification is consistent with that of municipal power.

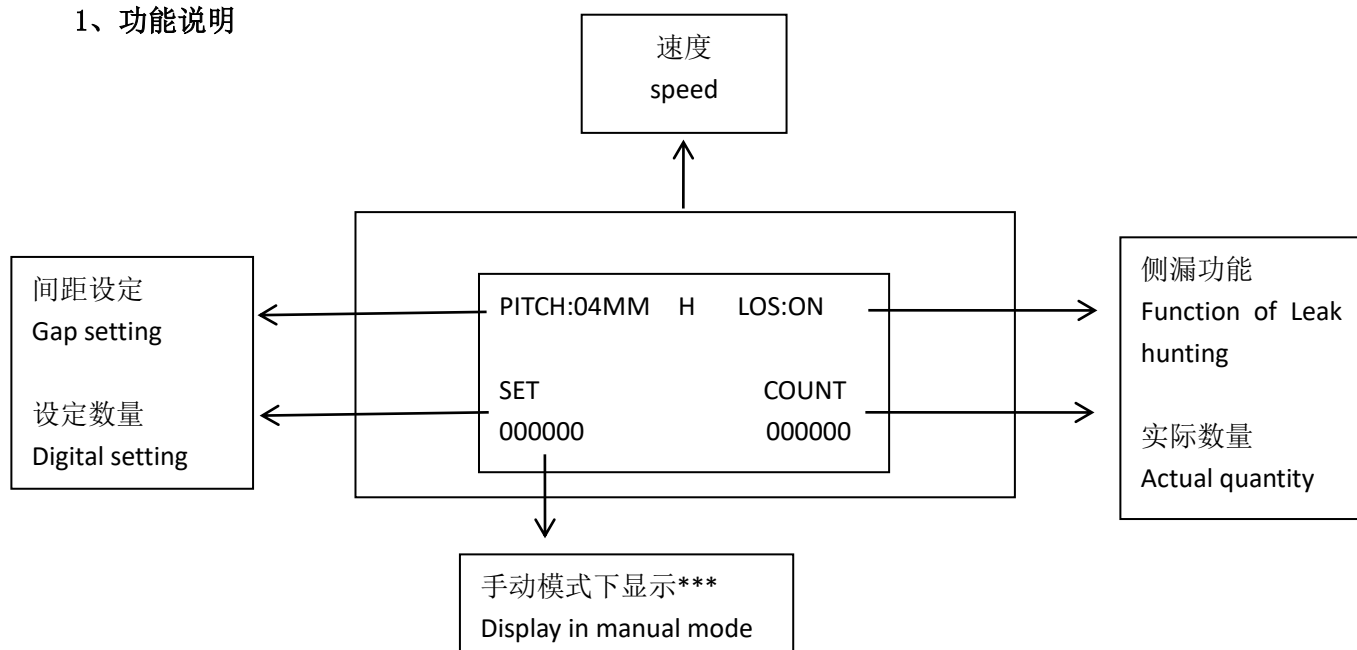
4、请确认接妥地线，以确保人身及零件之安全。

Please make sure to connect the ground wire to ensure the safety of the person and parts.

三、贴片计数器功能键及操作流程说明

Function Keys And Operation Procedures Instructions

1、功能说明



1) “打印 PRINT”

操作方式：按下此键，可由选购的条码列印机将所计数的零件、数量打在条码标签上。

Operation method: press this button, the number of parts and quantities can be counted by the barcode printer.

2) “设置 SET”

操作方法：若显示屏左下角处显示为“00000”，可直接按数字键输入需要计算的零件数量；再按一次“SET”键则变为手动模式，显示屏左下角处显示“*****”。手动和自动模式通过此键来切换。（说明：自动模式为盘料前可预设值，机器转动到设定值则会自动停下，手动模式只有手动按下“停止/清零”键或盘完所有料，机器方可停下。）

If "00000" is displayed at the lower left corner of the display screen, you can directly press the number key to enter the number of parts to be calculated; press the "SET" key again to change to manual mode, and "*****" is displayed at the lower left corner of the display screen. Manual and automatic modes are switched through this key. (note: the automatic mode is the preset value before the disk material, and the machine will stop automatically when it rotates to the set value. In the manual mode, the machine will stop only when the "stop/reset" key is pressed manually or all materials are finished.)

3) “间距 PITCH”

操作方法：按下此键后，显示幕的 PITCH 的数值会闪烁，然后输入料间距，再按下“ENTER”键确定，若经 5 秒钟无按键，将自动记忆，发出滴一声后，回复到待机状态。

Operation method: after pressing this button, the PITCH value of the display screen will flash, then input the spacing of materials, and then press the "ENTER" button to confirm. If no button is pressed for 5 seconds, the memory will be automatically memorized, and the sound of a drip will be returned to standby state.

4) “正传 Positive direction/RIGHT”

操作方法：按下此键开始正方向计数零件，即数字显示正数或增大。在打印界面时，按下此键可以向右移动光标设置参数。

Operation method: press this button to start counting parts in the positive direction, that is, the number shows a positive number or increases. When printing, press this button to move the cursor to the right to set the parameters.

5) “反转 The opposite direction/LEFT”

操作方法：按下此键开始反方向计数零件，即数字显示负数或减少。在打印界面时，按下此键可以向左移动光标设置参数。

Operation method: press this button to start counting parts in the opposite direction, that is, the number displays negative number or decreases. When printing, press this button to move the cursor to the left to set the parameters.

6) “停止/清零 STOP/RESET”

操作方法：

Operation method

(1) 在计数或回带的状态，按下此键，将停止计数或回带状态。

In the state of counting or returning, press this button to stop counting or returning.

(2) 若在待机状态下，按此键超过两秒，将清除 COUNT 的数值。

In standby mode, press this button for more than two seconds to clear the COUNT value.

(3) 在打印界面时按下此键可以返回主界面。

Press this button when printing the interface to return to the main interface.

(4) 在自检测试时按下此键可停止并回到待机界面。

Press this button to stop and return to the standby screen during self-test.

7) “选择 SELECT”

操作方法：在待机状态下，长按此键 1 秒，机器进行自检测试；在自动模式中，按下此键可清零已设置好的数量；在打印状态时为打印界面参数设置切换键。

Operation method: in standby mode, press this button for 1 second, and the machine conducts self-check test; In automatic mode, press this key to clear the set number; Set the toggle button for the print interface parameters when printing.

8) “侧漏 LOSS”

操作方法：按下此键，开启或关闭侧漏功能。

Operation method: press this button to turn on or off the function of Leak hunting

9) “时间/漏停 TIME”

操作方法：此键为电机转速的切换键，按下此键，LCD 屏显示在 H(高速)，M (中速)，L(低速)之间进行切换。

Operation method: this button is the switching key of motor speed. Press this button, and the LCD screen will switch between H(high speed), M (medium speed) and L(low speed).

10) “确认 ENTER”

操作方法：在打印界面设置参数时，按下此键则保存已设置的参数。

Operation method: when setting parameters in the print interface, press this button to save the parameters set.

2、操作流程

Operation process

- 1) 将电源线连接主机，并接上 AC220V 电源
- 2) 将机台面板的 POWER 电源开关打开，此时 LCD 面板会发亮
- 3) 按下 PITCH，设定要计数的零件间距按“ENTER”键确定。将欲计数的零件装在左侧的料盘上。
- 4) 手动拉出料带夹在挡料片与计数齿轮之间，将第一个零件和空格的中间孔对准挡料片中间线。
- 5) 按“停止/清零”键 2 秒让数字归零。说明：拉动料带时计数齿轮会转动计数，按下此让数字归零。
- 6) 按下“设置键”切换选择手动与自动模式，选择自动模式时须输入欲计数量，否则按“正转”马达就不会转动。
- 7) 用手拉动料带将其绕到空料盘上，按“正转/RIGHT”即可计数。
- 8) 数量到达时，马达会停止。由于惯性原理，计数数量可能会多或者少于设定值约 1 个左右，可用手动方式方向转动料盘至 LCD 显示设定值大小，即零件数量。
- 9) 计数完毕按“反转/LEFT”料带再卷回原来的左侧料盘后，即停止旋转。

1) connect the power cord to the host and connect the AC220V power supply

2) turn on the POWER switch of the machine panel, and the LCD panel will shine

- 3) press PITCH to set the spacing of parts to be counted and press "ENTER". Place the parts to count on the left side tray.
- 4) manually pull out the material belt and clamp it between the material plate and counting gear, and align the intermediate hole of the first part and blank space to the middle line of the material plate.
- 5) press the "stop/reset" button for 2 seconds to return the number to zero. Note: when pulling the material belt, the counting gear will rotate and count.
- 6) press the "setting" button to switch to manual and automatic mode. If you choose automatic mode, you must input the quantity you want to count. Otherwise, press "forward" and the motor will not rotate.
- 7) pull the material belt by hand and wind it to the empty material plate. Press "forward /RIGHT" to count.
- 8) the motor will stop when the quantity arrives. Due to the inertia principle, the number of counts may be more or less than the set value of about 1, which can be manually rotated to the LCD display set value in the direction of the material disk, that is, the number of parts.
- 9) after counting, press "reverse /LEFT" tape and then roll it back to the original LEFT panel, and then stop rotating.

四、贴片计数器了解打印机操作说明（选用）

How To Connect The Printer Operation (selective use)

1、检查装置

Inspecting device

- 1) 确定零件计数器和 BAR code 主机连线完成
- 2) 确定条码列印机纸张安装正确完毕。

- 1) make sure the parts counter and BAR code host are connected
- 2) make sure the bar code printer paper is installed correctly.

2、调试装置

Debugging device

- 1) 启动零件计数器电源开关

2) 启动 BAR CODE 主机电源开关: power 指示灯和 ready 指示灯点亮, 此时并按下 BAR CODE 主机 FEED 键(自动对位钮), 让列印纸张自动对位。(P.S: 若 POWER 灯闪烁, 代表本机断线中, 请重新启动电源开关或 FEED 键, 执行)

1) start the part counter power switch

2) start the power switch of the host of BAR CODE: power indicator light and ready indicator light are on. At this time, press the FEED key of the host of BAR CODE (automatic alignment button) to make the printing paper automatic alignment. (P.S: if the POWER light is flashing, which means the machine is broken, please restart the POWER switch or FEED key and execute

3、打印

Print

在主界面按下“PRINT”键就显示出打印界面, 词界面的第一行显示的是: 公司名称(可自行设置); 第二行显示的是打印的操作。

1) 进入打印界面后, 在第三行会有一个闪烁的光标, 再次光标处可以对所在的内容进行编辑修改。

2) 在打印界面按 LEFT/反转可以是光标向左移动, 按 RIGHT/正转可以使光标向右移动。

3) 在光标出可直接输入数字及字母, 如果短时间连续按下 0—9 键中的一个按键, 可以在按键上的数字和字母之间进行切换。其中 1 键用于切换特殊符号、字母大小写等。

4) 编辑好各行后, 光标停留在本行, 按 ENTER 键则在本行的左边显示 OK 也就把本行的内容保存下来了。(注意: 保存编辑行的内容必须是光标在本行位置处再按下 ENTER 键才可以把本行内容保存下来, 例如: 如果要保存第一行和第二行的内容, 必须是光标在第一行处按下 ENTER 键, 可以把第一行的内容保存下, 光标在第二行的内容保存夏利, 不可同时保存)

5) 在打印界面按 SELECT 进入打印参数的界面, 在此界面显示的是 XYWH:XXX XXX XXX XXX 分别是对打印出条形码的位置 X 轴、Y 轴、宽度和高度进行设置。

6) 按停止/清零键可以回到主页面。

7) 再按一次 PRINT 键就可以对打印界面的内容进行打印。

另附: 扫描仪扫到条码后, 会在打印界面有显示, 按下打印键打印。

Press "PRINT" on the main interface to display the PRINT interface, and the first line of the word interface shows: company name (self-setting); The second line shows the print operation.

1) after entering the print interface, there will be a blinking cursor on the

third line. At the cursor point again, the content can be edited and modified.

2) in the print interface, press LEFT/ reverse to move the cursor to the LEFT, and press RIGHT/ forward to move the cursor to the RIGHT.

3) enter Numbers and letters directly at the cursor. If you press a button in the 0--9 key continuously for a short time, you can switch between Numbers and letters on the key. Where the 1 key is used to switch special symbols, letter case and so on.

4) after editing the lines, the cursor stays at the line. Press ENTER to display OK on the left side of the line and save the contents of the line. (note: save the editing lines must be the cursor in the line location and then press the ENTER key to deposit, for example: if you want to save the first and second lines, must be the cursor at the first line by pressing the ENTER key, can keep the contents of the first line, the cursor in the second row content save xiali, not at the same time save)

5) SELECT to enter the interface of printing parameters on the print interface, where XYWH:XXX, XXX, XXX are displayed respectively to set the position X, Y, width and height of the printed barcode.

6) press the stop/reset button to return to the main page

7) press PRINT again to PRINT the contents of the PRINT interface

Additional attached: the scanner will display on the printing interface after scanning the bar code, press the print button to print.

五、简易故障排除

Simple trouble shooting

故障状况 Fault conditions	排除方法 Elimination methods
打开电源后 LCD 无任何显示, 无蜂鸣器响声 After power on the LCD without any display, no buzzer sound	电源线脱落或保险丝松动, 请检查 Please check the power cord or loose fuse

<p>打开电源后 LCD 无任何显示，有蜂鸣器响声</p> <p>The LCD has no display when the power is turned on</p>	<p>LCD 屏线松动或损坏，请检查或联系销售商更换</p> <p>LCD screen line is loose or damaged, please check or contact the seller for replacement</p>
<p>LCD 正常显示，但按正/反转启动无效</p> <p>LCD display is normal, but positive/reverse startup is invalid</p>	<ol style="list-style-type: none"> 1. 计数数量大于或等于设定数量或盘料前选用自动模式未设定数，请参阅说明说操作须知 2. 电机信号线或电源线接触不良 <ol style="list-style-type: none"> 1. The number of counts is greater than or equal to the set number or the number is not set in the automatic mode before feeding. Please refer to the instructions for operation 2. Bad contact between motor signal line or power line

六、售后服务（整机保修期两年，终生维护，一下情况不在免费保修条件内）

After-sales service (the warranty period of the whole machine is two years, lifelong maintenance, and the following situations are not included in the free warranty conditions)

1、机器在贵公司人员自行搬运下造成的损坏。

Damage to the machine caused by your company's personnel.

2、在电压不稳定地区，因未使用稳压器，而造成机件损坏。

In the unstable voltage area, the parts are damaged because the voltage stabilizer is not used.

3、未使用正确电压，造成机件损坏。

Do not use the correct voltage, causing damage to the parts.

4、未经本公司同意，自行更改机器造成的损坏。

Change the damage caused by the machine without our consent.

5、非经由本公司出货，而是由经销中间商或其它工厂进货者。

Shipment is not made by the company, but by middlemen or other factories.

6、天灾或不可抗拒因素。

Natural disasters or irresistible factors.